

Wisconsin Department of Transportation

May 2, 2014

**Division of Transportation Systems
Development**

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

**Proposal #11: Project ID 5310-02-74
Spring Green - Madison
CTH KP – Westview Ct
Village of Cross Plains
USH 14
Dane County**

**Project ID 5657-00-70, WISC 2014 187
Pine Bluff – V Cross Plains
Black Earth Creek BR, B-13-0646
CTH P
Dane County**

Letting of May 13, 2014

This is Addendum No. 1, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
28	Traffic Signals
30	Temporary Traffic Signals
39	Removing Traffic Signals CTH P & USH 14 Intersection, Item SPV.0105.01
40	Temporary Vehicle Detection USH 14 & CTH P, Item SPV.0105.02; Temporary Vehicle Detection CTH P & Bourbon Road, Item SPV.0105.03; Temporary Vehicle Detection CTH KP & Bourbon Road, Item SPV.0105.04

Added Special Provisions	
Article No.	Description
44	Coordination With Local Officials, Businesses, and Property Owners
45	Transformers/Pedestal Bases.

Deleted Special Provisions	
Article No.	Description
29	Department Maintained Traffic Signals
33	Removing Traffic Signal Controller Cabinet, SPV.0060.01

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	795	900	900
652.0800	Conduit Loop Detector	LF	272	427	427
653.0140	Pull Boxes Steel 24x42-Inch	Each	4	7	7
655.0800	Loop Detector Wire	LF	688	1059	1059
SPV.0060.02	Temporary Opticom Signal Preempt	Each	4	2	2

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
650.6500.01	Construction Staking Structure Layout (structure) 01. B-13-0646	LS	0	1	1
657.0100	Pedestal Bases	Each	0	3	3
657.0255	Transformer Bases Breakaway 11-1/2 Bolt Circle	Each	0	2	2

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0060.01	Removing Traffic Signal Controller cabinet	Each	1	0	0
SPV.0105.03	Temporary Vehicle Detection CTH P & Bourbon Road	LS	1	0	0
SPV.0105.04	Temporary Vehicle Detection CTH KP & Bourbon Road	LS	1	0	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
19	Removal Plan: The revision includes the traffic signal removal items.
29	Temporary Signal Plan – CTH KP and Bourbon Road: The revision includes addition/removal/change of signal faces, addition/removal of notes, detection zones, inclusion of pavement markings.
30	Temporary Signal Plan – CTH P and Bourbon Road: The revision includes addition/removal/change of signal faces, addition/removal of notes, detection zones, inclusion of pavement markings.
31	Temporary Signal Plan – CTH P and USH 14: The revision includes addition/removal/change of signal faces, addition/removal of notes, detection zones, inclusion of pavement markings.
32	Permanent Signal Plan – CTH P and USH 14: The revision includes the addition/change of loops, addition of transformer and pedestal bases, addition/removal of notes
62	Miscellaneous Quantities (revised quantities)
63	Miscellaneous Quantities (revised quantities)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
29A	Sequence of operations - CTH KP and Bourbon Road
30A	Sequence of operations - CTH P and Bourbon Road
32A	Sequence of operations - CTH P and USH 14
90A	Standard Detail Drawing 09C03-03 Transformer/Pedestal Bases

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Engineer
Proposal Management Section

ADDENDUM NO. 1
PROJECT ID 5310-02-74
May 2, 2014

Special Provisions

28. Traffic Signals.

Delete subsection General Provisions for Traffic Signals and replace with the following:

General Provisions for Traffic Signals

Perform all work on the lighting and conduit/pull box system in accordance to the Wisconsin Electrical Code, and applicable provisions of the standard specifications, and these special provisions and plans. Contact Dena Dramm (608-246-5360), at the Wisconsin Department of Transportation, before starting any traffic signal work.

Each pedestrian push button installation shall include "Push Button for Walk Signal" signs. Single direction arrow signing shall also be used with all buttons except single buttons on median poles.

Poles, standards, mast arms, transformer and pedestal bases, shall be finished in black, according to the Village of Cross Plains specifications.

Note that failure to comply with the state standards and specifications may result in the cost of the corrections to be made at the Contractors expense.

29. DELETED

30. Temporary Traffic Signals.

Replace the entire article with the following:

Temporary traffic signals will be installed at three intersections outlined below.

USH 14 / CTH P Intersection

This installation shall be operational upon completion of the roadway improvements and removal of the CTH P detour. Coordinate installation of the temporary signal with the decommissioning of the existing signal to avoid a gap in signal operations. Install Emergency Vehicle Preemption system, as shown in the plans. Install vehicle detection system and fine-tune detection zones, as shown in the plans. The Department will furnish and Contractor shall install the signal cabinet, ring out/check the temporary signals and have them approved by the engineer. Maintain operation of the signal until March 15, 2015 when the responsibility for the signal is assigned under a separate let contract under construction ID 5310-02-70.

CTH P / Bourbon Road

This installation shall be prepared to be fully operational upon completion of the project. The signage will not be activated until required under construction ID 5310-02-70. Verify the signal is operational on March 15, 2015. Emergency Vehicle Preemption system and vehicle detection system will be installed under construction ID 5310-02-70. Contractor shall ring out/check the temporary signals and have them approved by the engineer.

CTH KP / Bourbon Road

This installation shall be prepared to be fully operational upon completion of the project. The signage will not be activated until required under construction ID 5310-02-70. Verify the signal is

operational on March 15, 2015. Emergency Vehicle Preemption system and vehicle detection system will be installed under construction ID 5310-02-70. Contractor shall ring out/check the temporary signals and have them approved by the engineer.

All temporary traffic signal installations shall upon completion of the contract become the property of the Department to be used as traffic control for construction project ID 5310-02-70 during a later let. Maintain and verify operation of each temporary traffic signal prior to completion of this contract.

33. DELETED

39. Removing Traffic Signals CTH P & USH 14 Intersection, Item SPV.0105.01.

Delete entire C Construction section and replace with:

C Construction

Arrange for the removal of the traffic signal equipment after receiving approval from the engineer that the existing equipment can be removed.

The Contractor shall remove existing traffic signals when the temporary signal is in place, tested, and approved by the engineer. Contact Dena Dramm at the Wisconsin Department of Transportation (608-246-5360) to coordinate removal of existing signals and installation of new signals. The contractor shall remove existing traffic signals, including street lights that have traffic signal equipment on them, as indicated of the plans. Remove and properly dispose of all cables and wires. Remove conduit, as shown on the plans, or abandon in place. Conduit may be abandoned in place only if it does not interfere with new construction or present a risk of damage to newly constructed items.

40. Temporary Vehicle Detection USH 14 & CTH P, Item SPV.0105.02; Temporary Vehicle Detection CTH P & Bourbon Road, Item SPV.0105.03; Temporary Vehicle Detection CTH KP & Bourbon Road, Item SPV.0105.04.

Revise the title of this article to:

40. Temporary Vehicle Detection USH 14 & CTH P, Item SPV.0105.02.

Delete entire E Payment section and replace with:

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Temporary Vehicle Detection USH 14 & CTH P	LS

Payment is full compensation for demonstrating and selecting the vehicle detector technology, furnishing and installing the equipment, including all required materials, tools, and supplies.

44. Coordination With Local Officials, Businesses, and Property Owners.

The contractor shall arrange and conduct a meeting between the department, engineer, field representatives and contractors, Village of Cross Plains Representatives, Village of Cross Plains Chamber of Commerce, local school officials, local officials, business owners, and other property owners affected by the construction project to discuss the project schedule and progress for the upcoming and past weeks including vehicular and pedestrian access during construction operations. Invite utility companies as appropriate. The first meeting shall be held prior to the start of work under this contract and weekly meetings held thereafter unless the department determines that the schedule can be changed.

45. Transformers/Pedestal Bases.

In addition to the Standard Specifications section 657.3.5 all transformers/pedestal bases shall be black in color. The transformer/pedestal bases shall be colored black by the manufacturer and shall be delivered to the installing contractor/project already colored black.

Schedule of Items

Attached, dated May 2, 2014, are the revised Schedule of Items Pages 13 – 16.

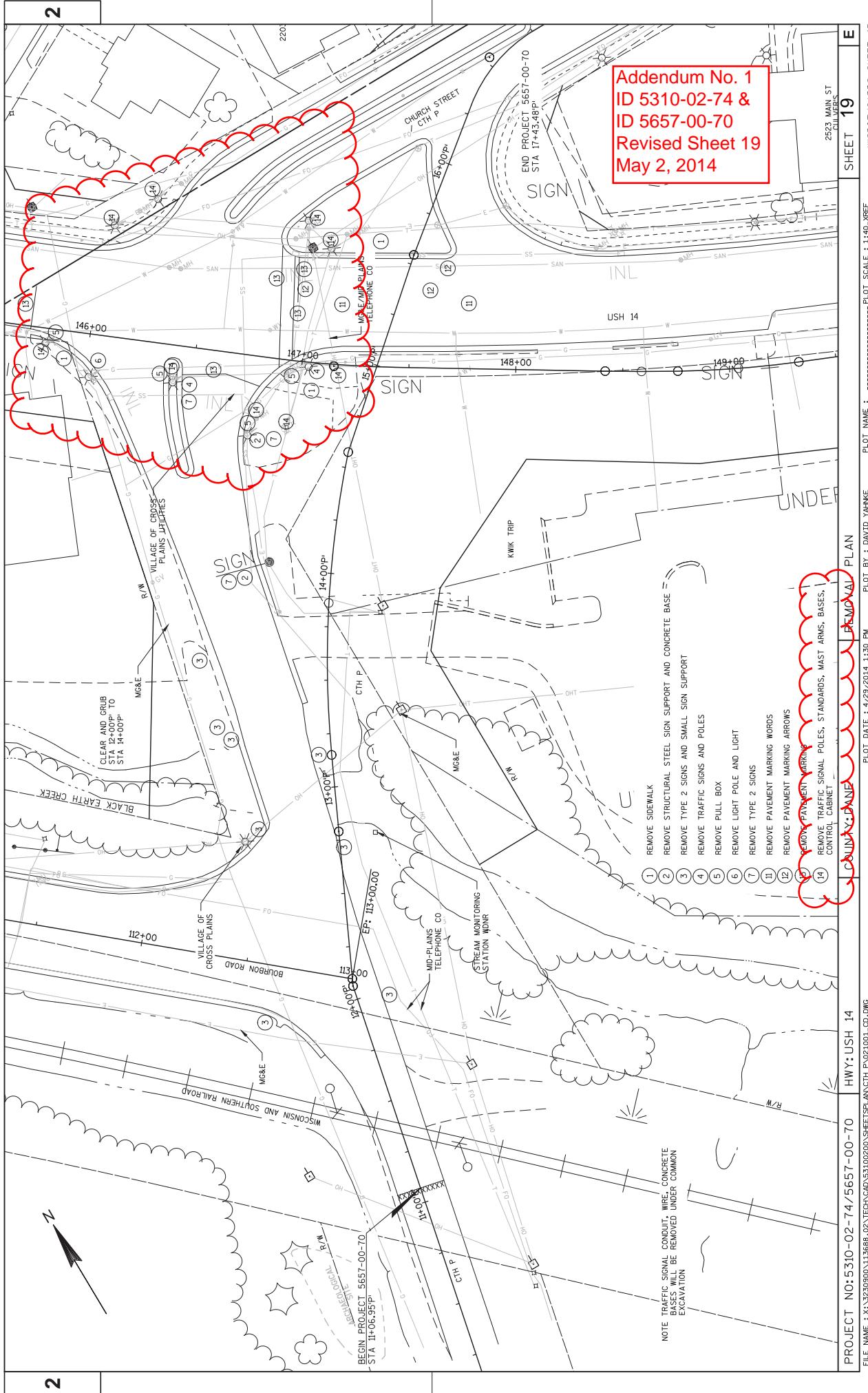
Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

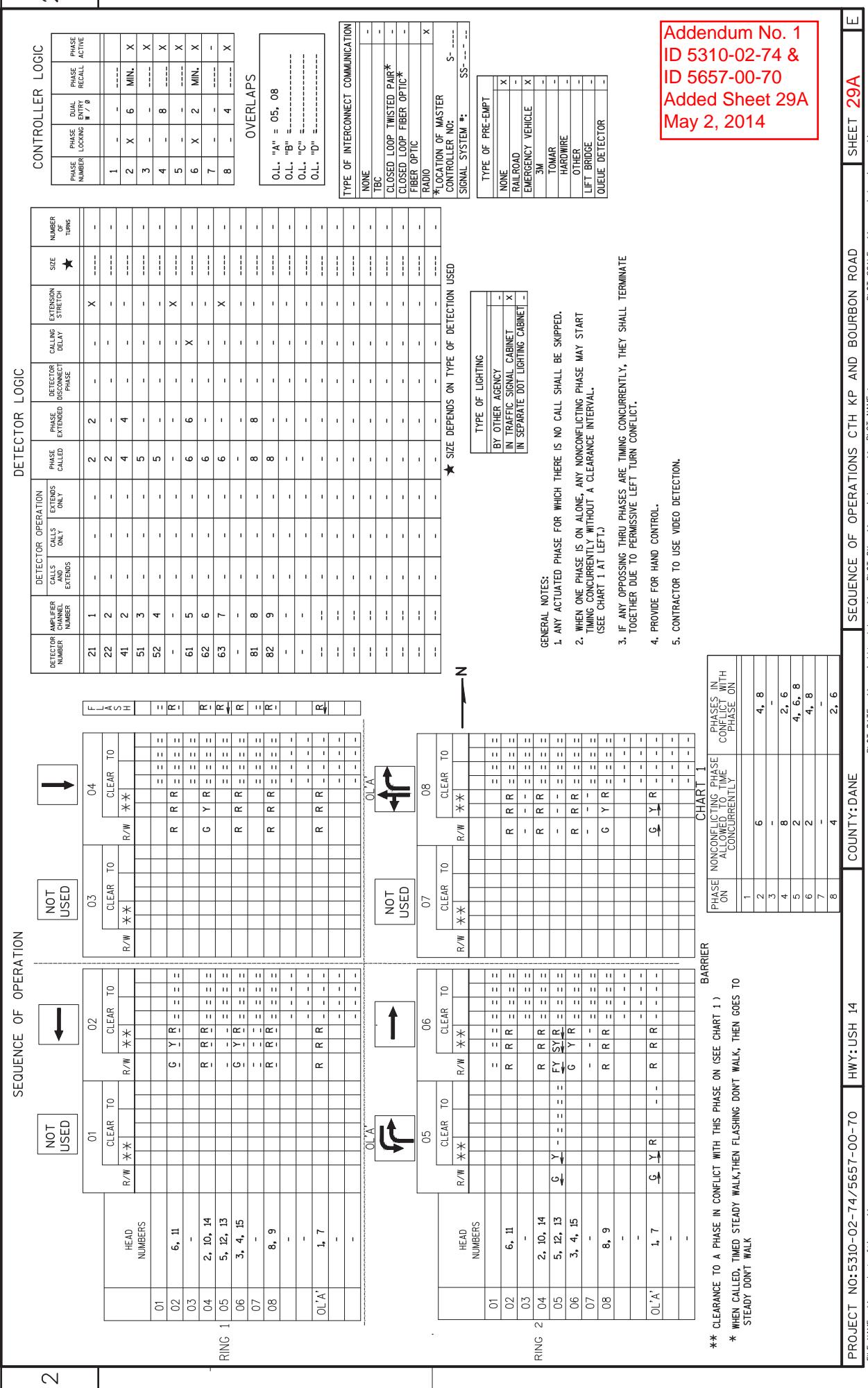
Revised: 19, 29, 30, 31, 32, 62, 63

Added: 29A, 30A, 32A and 90A

END OF ADDENDUM







Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Revised Sheet 30
May 2, 2014

CONSTRUCTION NOTES:

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEM UNDER THIS CONTRACT TO AVOID CONFLICT WITH OTHER UTILITY FACILITIES.

THE TEMPORARY TRAFFIC SIGNAL HEADS PLACED OVER THE ROADWAY SHALL BE MOUNTED AT ALL APPROACHES AND SHALL COMPLY WITH A MINIMUM VERTICAL CLEARANCE EQUAL TO 17 FEET AT THE CENTERLINE OF THE ROADWAY.

THE TEMPORARY SIGNAL DETAIL SPAN WIRE TEMPORARY SIGNALS' STANDARD DETAIL DRAWING.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN THE SIGNALS, SUPPORTS, CABLING AND INDICATORS.

EMERGENCY VEHICLE PREEMPTION (EMERGENCY VEHICLES) WILL BE INSTALLED AND DETECTION ZONES FINE TUNED UNDER A DIFFERENT CONTRACT.

THIS SIGNAL WILL BE COORDINATED WITH THE SIGNAL AT THE INTERSECTION OF USH 14 AND CTH P.

THE SIGNAL CABINET WILL BE INSTALLED UNDER A DIFFERENT CONTRACT. CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE METER BREAKER, CONTACTING THE POWER COMPANY AND PROVIDING THE POWER SOURCE.

THE WOOD POLES ON THE SOUTHWEST CORNER OF THE INTERSECTION MAY CHANGE TO ACCOMMODATE THE WORK ASSOCIATED WITH IMPROVEMENTS TO THE RR-GRADE WARNING DEVICES THAT MAY BE NECESSARY DUE TO PREEMPTION.

ALL THE UNDERGROUND INSTALLATIONS ARE PERMANENT AND WILL REMAIN IN PLACE AFTER THE PROJECT IS COMPLETE. IT IS NOT ALLOWED FOR INSTALLING TEMPORARY DETECTION.

THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR THE TEMPORARY TRAFFIC SIGNALS.

ALL THE UNDERGROUND INSTALLATIONS ARE REMOVED.

SAW CUTTING OR REMOVING NEW OR EXISTING PAVEMENT THAT WILL REMAIN AFTER THE PROJECT IS COMPLETE IS NOT ALLOWED FOR INSTALLING TEMPORARY DETECTION.

THE SIGNAL CABINET WILL BE INSTALLED UNDER A DIFFERENT CONTRACT. CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE METER BREAKER, CONTACTING THE POWER COMPANY AND PROVIDING THE POWER SOURCE.

THE WOOD POLES ON THE SOUTHWEST CORNER OF THE INTERSECTION MAY CHANGE TO ACCOMMODATE THE WORK ASSOCIATED WITH IMPROVEMENTS TO THE RR-GRADE WARNING DEVICES THAT MAY BE NECESSARY DUE TO PREEMPTION.

BEGIN PROJECT 5657-00-70
STA 11+06.35P

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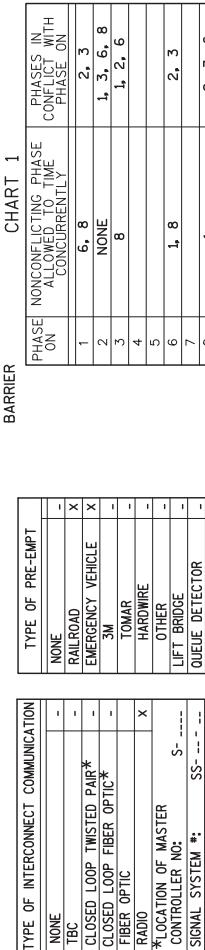
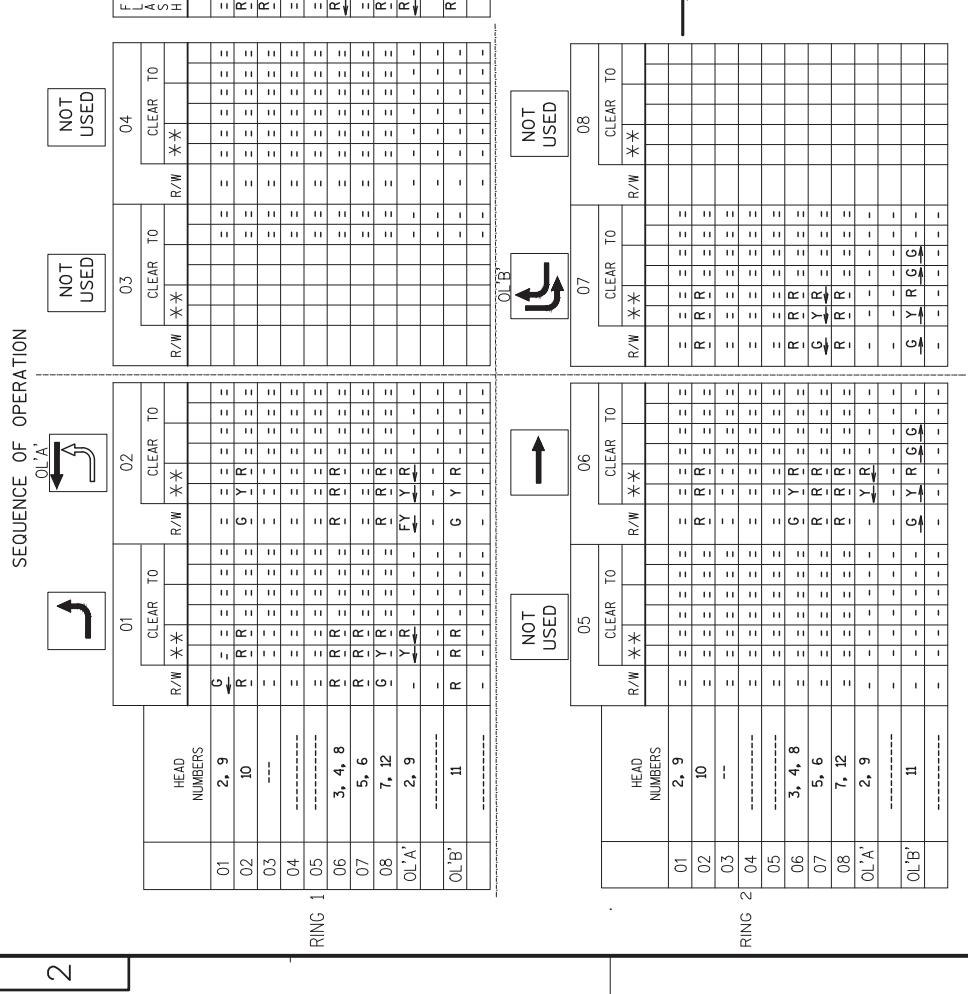
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Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Added Sheet 30A
May 2, 2014



THE JOURNAL OF CLIMATE

CHART 1

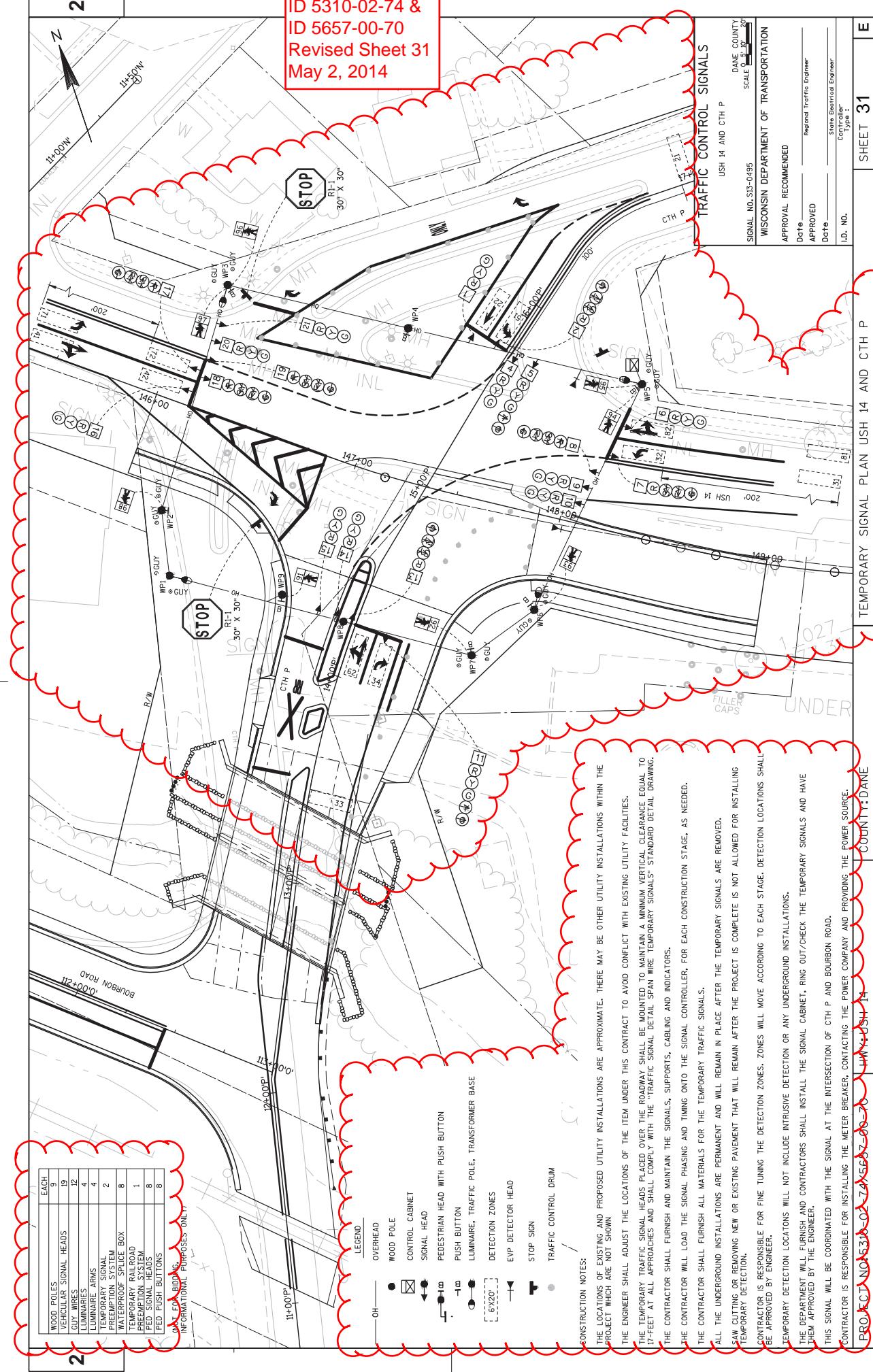
6. PHASE 3 SHALL OCCUR ONLY DURING RR PREEMPTION AND SHALL BE CALLED BY PHASE 3 DETECTION.
7. PHASE 3 SHALL REMAIN OPERATIONAL DURING RR PREEMPTION.
8. NORMAL SIGNAL PHASING SHALL RESUME IN PHASE 2 AND PHASE 6 SUBSEQUENT TO TERMINATION OF RR PREEMPTION.
9. THE PHASE IN EFFECT WHEN PREEMPTED SHALL TIME A MINIMUM 7 SECONDS GREEN INTERVAL BEFORE RETURNING TO NORMAL PHASING.
10. ANY CLEARANCE INTERVAL IN EFFECT SHALL TIME ITS FULL NORMAL DURATION BEFORE ENTERING NORMAL PHASING.
11. UPON TERMINATION OF PREEMPTION VEHICLE CALLS SHALL BE PLACED IN ALL PHASES ACTIVE DURING NORMAL PHASE CYCLING.

LOT DATE : \$S...plottingdate...\$S PLOT BY : \$S...plotuser...\$S PLOT NAME : -----PILOT SCALE : \$\$.....plotscale....\$S WISDONT/CARDS SWFET 42

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Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Revised Sheet 31
May 2, 2014

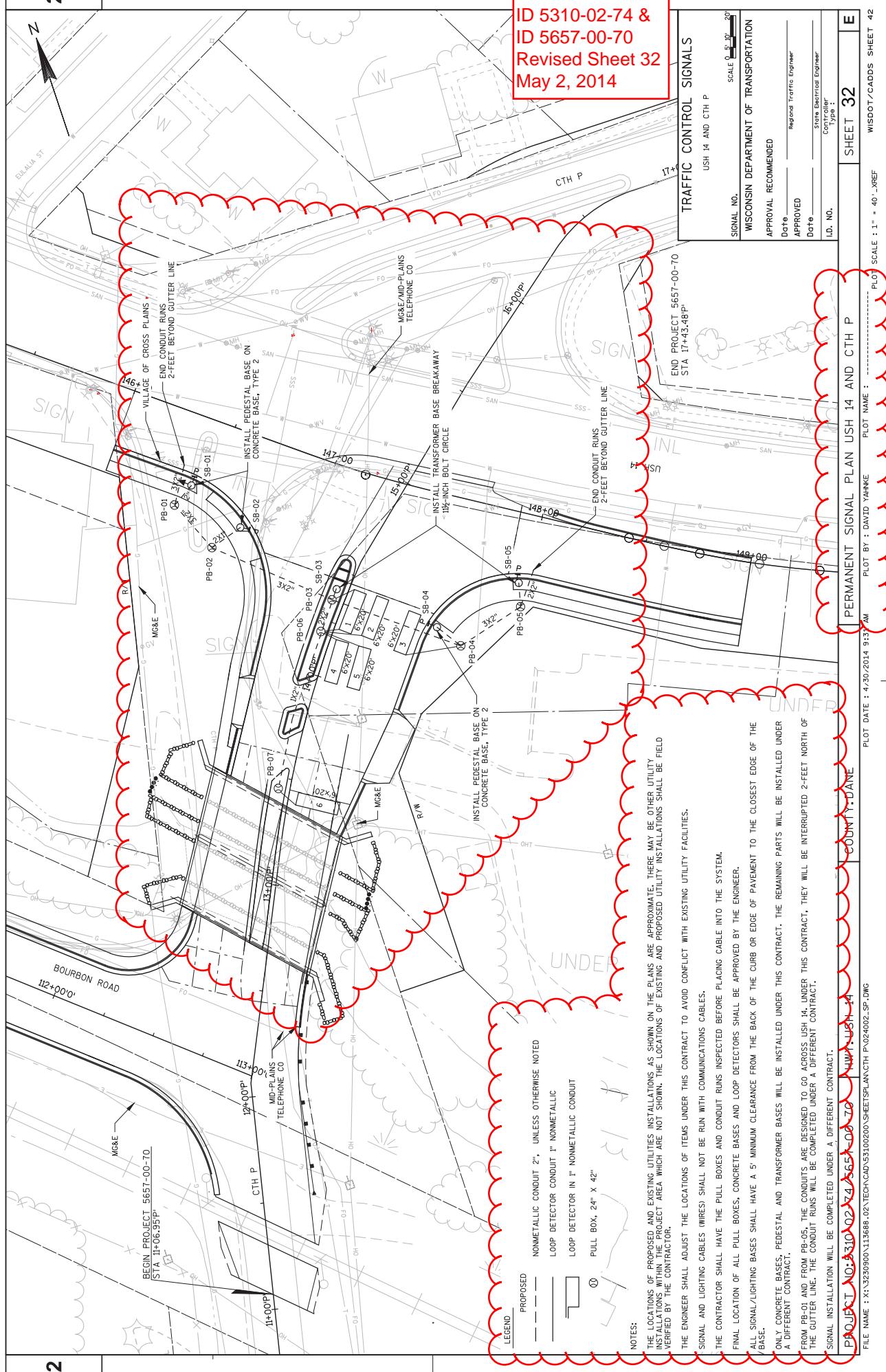
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Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Revised Sheet 32
May 2, 2014

2

2



PLOT SCALE : 1" = 40'-XREF

SEQUENCE OF OPERATION
OL'A', OL'B'


NOT USED

DETECTOR LOGIC	
DETECTOR NUMBER	MAGNIFIER CHANNEL NUMBER
F	21
L-A	22
S-H	31
R	32
G-Y	41
R-R	42
G-Y-R	51
R-R-R	61
R-R-R	62
F-Y-S-Y-R	71
R-R-R	72
D-D	81
D-D	82
D-D	82
G-Y-R-G-G	91
R-R-R	101
R	111

CONTROLLER LOGIC	
PHASE NUMBER	PHASE ACTIVE
1	-
2	X
3	-
4	8
5	-
6	X
7	-
8	4

OVERLAPS	
TYPE OF INTERCONNECT COMMUNICATION	
O.L. "A"	= 02, 03, 07
O.L. "B"	-----
O.L. "C"	-----
O.L. "D"	-----
O.L. "E"	-----

TYPE OF DETECTION USED	
TYPE	OF
PRE-EMPT	-----
NONE	-----
TBC	-----
CLOSED LOOP TWISTED PAIR*	-----
CLOSED LOOP FIBER OPTIC*	-----
FIBER OPTIC	-----
RADIO	-----
LOCATION OF MASTER CONTROLLER NO:	S-----
SIGNAL SYSTEM #:	SS-----

TYPE OF LIGHTING	
BY OTHER AGENCY	-----
IN TRAFFIC SIGNAL CABINET	-----
IN SEPARATE DOT LIGHTING CABINET	-----
GENERAL NOTES:	-----
1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.	-----
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)	-----
3. UPON RR PREEMPTION THE SIGNAL SHALL CLEAR TO PHASE.	-----
4. ANY GREEN INTERVAL IN EFFECT SHALL TIME A MINIMUM 7 SECONDS DURATION BEFORE ENTERING THE PREEMPT SEQUENCE. ELLAPSED GREEN TIME PRIOR TO THE PREEMPT SHALL BE CONSIDERED IN THE MINIMUM TIME.	-----
5. ANY CLEARANCE INTERVAL IN EFFECT SHALL TIME ITS FULL NORMAL DURATION BEFORE ENTERING THE PREEMPT SEQUENCE.	-----
6. PHASE 3, 4, 5, 7 & 8 SHALL OCCUR ONLY DURING RR PREEMPTION AND SHALL BE CALLED BY PHASE 3 DETECTION.	-----
7. PHASE 3 SHALL REMAIN OPERATIONAL DURING RR PREEMPTION.	-----
8. NORMAL SIGNAL PHASING SHALL RESUME IN PHASE 2 AND PHASE 6 SUBSEQUENT TO TERMINATION OF RR PREEMPTION.	-----
9. THE PHASE IN EFFECT WHEN PREEMPT ENDS SHALL TIME A MINIMUM 7 SECONDS GREEN INTERVAL BEFORE RETURNING TO NORMAL PHASING.	-----
10. ANY CLEARANCE INTERVAL IN EFFECT SHALL TIME ITS FULL NORMAL DURATION BEFORE ENTERING NORMAL PHASING.	-----
11. UPON TERMINATION OF PREEMPTION VEHICLE CALLS SHALL BE PLACED IN ALL PHASES ACTIVE DURING NORMAL PHASE CYCLING.	-----

CHART 1	
PHASES NONCONFLICTING WITH PHASE ON	ALLOWED TO TIME CONCURRENTLY
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 2	
PROJECT NO: 5310-02-74/5657-00-70	HWY: USH 14
COUNTY: DANE	SEQUENCE OF OPERATIONS USH 14 AND CTH P
PLOT DATE : \$\$.PLOTDATE...\$	SHEET 32A
FILE NAME : \$\$.DESIGNFILE...\$	E

Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Added Sheet 32A
May 2, 2014

CHART 3	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3, 4, 5, 6, 7, 8
8	3, 4, 5, 6, 7, 8

CHART 4	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 5	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 6	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 7	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 8	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 9	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 10	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 11	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 12	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 13	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 14	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 15	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 16	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 17	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 18	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 19	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8
5	2
6	NONE
7	3 OR 4
8	3 OR 4

CHART 20	
1	-----
2	5 OR 6
3	7 OR 8
4	7 OR 8

<u>STREET LIGHTING CONDUIT</u>		652.0325
CONDUIT RIGID NONMETALLIC SCHEDULE 80		
PROJECT NUMBER	PULL BOX -	PULL (LF)
5657-00-70	1 - CRB	40
2 -	3	48
3 -	4	100
PROJECT	TOTAL	188

<u>SIGNAL CONDUIT</u>		652.0225
CONDUIT RIGID NONMETALLIC SCHEDULE 40		
PROJECT NUMBER	FROM	TO
5657-00-70	C&G	PB-01
PB-01	PB-02	3
PB-02	PB-03	3
PB-03	PB-04	3
PB-04	PB-05	3
PB-05	C&G	3
PB-01	SB-01	1
PB-02	SB-02	1
PB-03	PB-06	1
PB-06	SB-03	1
PB-04	SB-04	1
PB-05	SB-05	1
PB-03	PB-06	2
PB-06	PB-07	1
PROJECT	TOTAL	900

<u>SIGNAL DETECTOR LOOPS</u>		655.0800
CONDUIT LOOP LOOP DETECTOR WIRE		
PROJECT NUMBER	LOOP STATION OFFSET (LF)	NO. TURNS (LF)
5657-00-70	1 14+24	6 X 20 3
2	14+25	13' RT 6 X 20 3
3	13+97	29' RT 6 X 20 3
4	13+98	2' RT 6 X 20 3
5	13+99	13' RT 6 X 20 3
6	13+38	4' RT 6 X 20 3
PROJECT	TOTAL	427
		1059

<u>SIGNAL PULLBOX</u>		653.0140
PULL BOXES STEEL 24X2-INCH		
PROJECT NUMBER	STRUCTURE	STATION OFFSET (EACH)
5657-00-70	PB-01	146+34 43' RT 1
PB-02	PB-03	146+55 53' RT 1
PB-04	PB-05	147+19 58' RT 1
PB-05	PB-06	148+00 66' RT 1
PB-06	PB-07	147+17 118' RT 1
PROJECT	TOTAL	147+17 TOTAL 7

<u>SIGNAL BASE</u>		654.0102
CONCRETE BASES TYPE 2 PEDESTAL BASES		
PROJECT NUMBER	BASE NUMBER	STATION OFFSET (EACH)
5657-00-70	SB-01	146+38 32' RT 1
SB-02	SB-03	146+63 43' RT 1
SB-03	SB-04	147+18 53' RT 1
SB-04	SB-05	147+65 60' RT 1
SB-05	SB-06	147+96 22' RT 1
PROJECT	TOTAL	5 3 2

<u>REMOVING PULL BOXES</u>		657.0255
TRANSFORMER BASES BREAKAWAY 11-1/2-BOLT CIRCLE		
PROJECT NUMBER	STATION LOCATION (EACH)	
5657-00-70	14+45' LT 45° 1	
14+33' LT 125° 1	LT 87° 1	
14+48' LT 40° 1	LT 40° 1	
16+10' LT 18° 1	LT 18° 1	
PROJECT	TOTAL	5

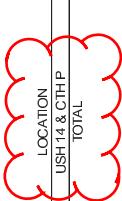
*All quantities shown are associated with Category 0010 unless otherwise noted

PROJECT NO: 5310-02-74/5657-00-70	HWY: USH 14	COUNTY: DANE	MISCELLANEOUS QUANTITIES
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SHEET 62 E

Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Revised Sheet 62
May 2, 2014

TEMPORARY TRAFFIC SIGNALS		
SPV.0060.01		
PROJECT NUMBER	661-0200.01	TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LS)
LOCATION	USH14 & CTH P	1
TOTAL		



TEMPORARY SIGNAL PREEMPT

SPV.0060.02		
SPV.0060.03		
PROJECT NUMBER	SPV.0060.01	REMOVING OPT COM SIGNAL PREEMPT (EACH)
LOCATION	USH14 & CTH P	2
PROJECT	TOTAL	2



TRAFFIC SIGNALS

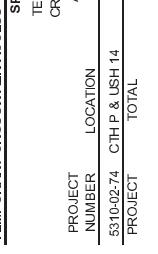
SPV.0060.04		
SPV.0105.01		
PROJECT NUMBER	SPV.0105.01	PERMANENT TRAFFIC CONTROL DRUM (EACH)
LOCATION	USH14 & CTH P	45
PROJECT	TOTAL	45

PERMANENT TRAFFIC CONTROL DRUM

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	PERMANENT TRAFFIC CONTROL DRUM (EACH)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

REMOVING TRAFFIC SIGNALS

SPV.0105.02		
SPV.0105.03		
PROJECT NUMBER	SPV.0105.02	TEMPORARY VEHICLE DETECTION (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1



SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	TEMPORARY CROSSWALK ACCESS (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105.05		
SPV.0105.06		
PROJECT NUMBER	SPV.0105.06	CONCRETE PAVEMENT JOINT LAYOUT (LS)
LOCATION	USH14 & CTH P	1
PROJECT	TOTAL	1

SPV.0105		

GENERAL NOTES

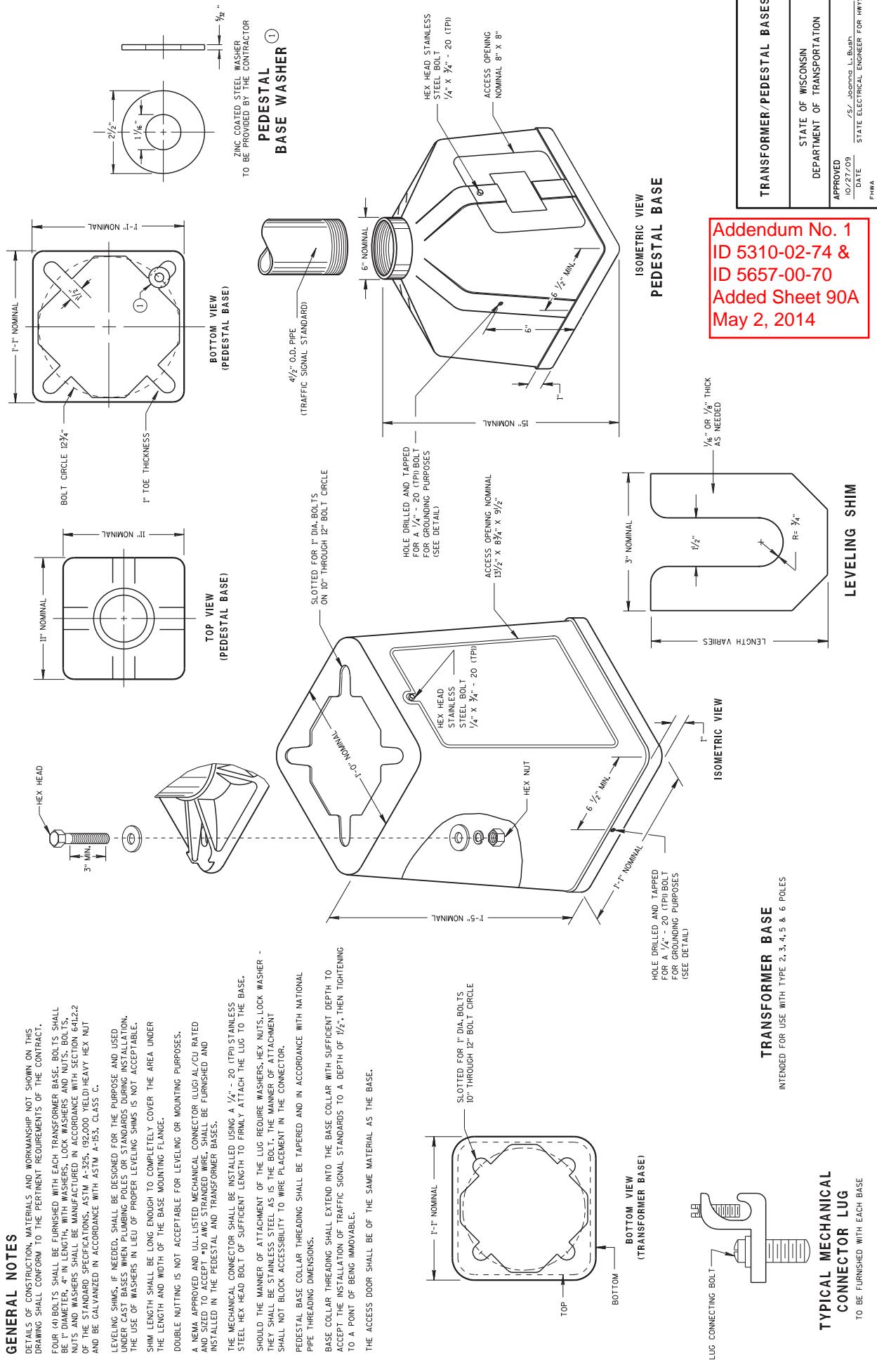
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT. FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 6412.2 OF THE STANDARD SPECIFICATIONS, ASTM A-325, 92,000 YIELD HEAVY HEX NUT AND BE GALVANIZED IN ACCORDANCE WITH ASTM A-153, CLASS C.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCKNUTS, OR OTHER EQUIPMENT, THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND MANUFACTURE OF THESE PARTS. THE MANUFACTURER SHALL NOT BE HELD LIABLE FOR ANY DAMAGE TO THE LUG OR CONNECTOR DUE TO THE USE OF UNLISTED EQUIPMENT.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH N.P.T. PIPE THREADING DIMENSIONS.
THE BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT LENGTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF $\frac{1}{2}''$, THE
ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.



Addendum No. 1
ID 5310-02-74 &
ID 5657-00-70
Added Sheet 90A
May 2, 2014

10/27/09 /S/ Joann L. Bush
DATE STATE ELECTRICAL ENGINEER FOR FHWA

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
 20140513011

PROJECT(S): FEDERAL ID(S):
 5310-02-74 N/A
 5657-00-70 WISC 2014187

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE	BID AMOUNT
			DOLLARS CTS	DOLLARS CTS
1260	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	900.000 LF	.	.
1270	652.0325 CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH	188.000 LF	.	.
1280	652.0800 CONDUIT LOOP DETECTOR	427.000 LF	.	.
1290	653.0135 PULL BOXES STEEL 24X36-INCH	6.000 EACH	.	.
1300	653.0140 PULL BOXES STEEL 24X42-INCH	7.000 EACH	.	.
1310	653.0905 REMOVING PULL BOXES	5.000 EACH	.	.
1320	654.0102 CONCRETE BASES TYPE 2	5.000 EACH	.	.
1330	655.0800 LOOP DETECTOR WIRE	1,059.000 LF	.	.
1340	661.0200 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 01. USH 14 & CTH P	LUMP	LUMP	.
1350	661.0200 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 02. CTH P & BOURBON ROAD	LUMP	LUMP	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20140513011

PROJECT(S): FEDERAL ID(S):
5310-02-74 N/A
5657-00-70 WISC 2014187

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1360	661.0200 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (LOCATION) 03. CTH KP & BOURBON ROAD	LUMP	LUMP			.
1370	690.0150 SAWING ASPHALT	LF	818.000			.
1380	690.0250 SAWING CONCRETE	LF	10.000			.
1390	715.0415 INCENTIVE STRENGTH CONCRETE PAVEMENT	DOL	500.000	1.00000	500.00	
1400	715.0502 INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	5,050.000	1.00000	5050.00	
1410	999.1000.S SEISMOGRAPH	LUMP	LUMP			.
1420	999.1500.S CRACK AND DAMAGE SURVEY	LUMP	LUMP			.
1430	ASP.1T0A ON-THE-JOB TRAINING APPRENTICE AT \$5.00/HR	HRS	350.000	5.00000	1750.00	
1440	ASP.1T0G ON-THE-JOB TRAINING GRADUATE AT \$.00/HR	HRS	225.000	5.00000	1125.00	
1460	SPV.0060 SPECIAL 02. TEMPORARY OPTICOM SIGNAL PREEMPT	EACH	2.000			.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
 20140513011

PROJECT(S): FEDERAL ID(S):
 5310-02-74 N/A
 5657-00-70 WISC 2014187

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1470	SPV.0060 SPECIAL 03. REMOVING ELECTRICAL SERVICE METER BREAKER PEDESTAL	1.000 EACH				
1480	SPV.0060 SPECIAL 04. PERMANENT TRAFFIC CONTROL DRUM	45.000 EACH				
1490	SPV.0060 SPECIAL 05. SIGNS FLASHING LED, STOP	2.000 EACH				
1500	SPV.0060 SPECIAL 06. SIGNS FLASHING LED, VEHICLE ENTRANCE	2.000 EACH				
1510	SPV.0105 SPECIAL 01. REMOVING TRAFFIC SIGNALS CTH P & USH 14 INTERSECTION	LUMP	LUMP			
1520	SPV.0105 SPECIAL 02. TEMPORARY VEHICLE DETECTION USH 14 & CTH P	LUMP	LUMP			
1550	SPV.0105 SPECIAL 05. TEMPORARY CROSSWALK ACCESS CTH P & USH 14	LUMP	LUMP			
1560	SPV.0105 SPECIAL 06. CONCRETE PAVEMENT JOINT LAYOUT	LUMP	LUMP			
1570	SPV.0180 SPECIAL 01. GEOGRID REINFORCEMENT	2,835.000 SY				
1580	650.6500 CONSTRUCTION STAKING STRUCTURE LAYOUT (STRUCTURE) 01. B-13-0646	LUMP	LUMP			

Wisconsin Department of Transportation PAGE: 16
DATE: 05/02/14

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20140513011

PROJECT(S): FEDERAL ID(S):
5310-02-74 N/A
5657-00-70 WISC 2014187

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
1590	657.0100 PEDESTAL BASES	3.000 EACH
1600	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	2.000 EACH
	SECTION 0001 TOTAL			.
	TOTAL BID			.